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39. *Cleaning and dusting.*—No railroad coach or street car shall be swept or dusted while occupied by passengers. All railroad coaches and street cars shall at all times be kept in clean and sanitary condition. Necessary cleaning may be done with a hand brush and dustpan if no dust is raised thereby. Sweeping shall be done only after sprinkling with water or covering the floor with damp sawdust or damp paper or other materials intended to prevent dust. Woodwork shall be wiped down with a damp cloth, and dry dusting with feathers or a dry cloth shall not be practiced. A vacuum cleaner is recommended wherever possible.

40. *Cuspidors, how kept.*—All spittoons or cuspidors shall contain sufficient water to stand one-half inch deep on the bottom. They shall be emptied, washed, and disinfected with an approved disinfectant at the end of every run.

41. All coaches shall be thoroughly cleaned, dusted, sunned, and aired at least once each month. Cleaning shall include the removal from the car of everything movable, thoroughly wiping down all woodwork, scrubbing the floors, dusting the carpets and seats, and fumigating the interior of the car as prescribed in the regulations on disinfecting.

42. *Expectoration on trains.*—Conductors, brakemen, and porters shall call the attention of passengers expectorating on the floor to the law prohibiting such expectoration and shall at once supply such passengers with cuspidors.

RAILROAD STATIONS.

43. *Cleaning and dusting.*—Waiting rooms, offices, and other portions of railroad stations shall at all times be kept in a clean and sanitary condition. All stations shall be thoroughly cleaned, dusted, and aired at least once each week. Cleaning shall include (1) thoroughly wiping down all woodwork with a damp cloth, and (2) scrubbing the floors. Sweeping shall not be done in the presence of waiting passengers except in stations which are open continuously. In such stations, sweeping shall be done only after sprinkling the floor with water or throwing on it damp sawdust or other absorbent material to prevent dust. Woodwork shall be wiped down with a damp cloth, and dry dusting with feathers or dry cloths shall not be practiced.

44. *Expectoration in stations.*—Sufficient cuspidors shall be furnished for the use of waiting passengers. All cuspidors shall contain sufficient water to stand one-half inch deep on the bottom. They shall be emptied, washed, and disinfected with an approved disinfectant at least once every day.

45. *Sanitary privies at stations.*—Every railroad station shall be provided with proper closets. Where water and sewerage are available, these shall be water-closets, connected with the public sewerage. Where water and sewerage are not available closets shall be so constructed and maintained that the excrement shall be so disposed of that it will not endanger a source of drinking water or be accessible to flies and animals. Privies shall at all times be kept in clean and sanitary condition.

Water Supply and Purification Systems—Preparation of Plans and Specifications for Submission to State Board of Health. (Reg. Bd. of H., May 5, 1916.)

1. *Date of application and required form.*—The information required by the State board of health in considering an application for a permit to supply water for drinking or domestic purposes to the public within the State of Virginia shall be submitted to the board at least two weeks in advance of the date on which it is proposed to begin work on the waterworks or extensions thereof and shall be submitted in the following scope and order:

- (a) Application for permit.
- (b) General and detail plans of proposed system or extension of existing system.
- (c) Engineer's report.
- (d) Specifications.

2. *Application for permit.*—The application for a permit and for the approval of plans shall be made by the individual, firm, institution, corporation, or municipal authorities for whom the work is to be done, or by their properly authorized agents, upon blank forms, which will be furnished by the health commissioner, said forms to be signed by the person, corporation, or officer applying for the permit and to be acknowledged before a notary.

3. *General and detail plans, form.*—One full set of general and detail plans shall be submitted with the application for a permit. Each plan shall be drawn to scale, shall be a true copy of the original, correct to date, and shall be a white, blue, or black line print or print from a reduced engraving. Pencil sketches will not be accepted. Copies of plans submitted will not be returned after submission unless revision is necessary or unless they have been presented for a preliminary review only. All copies of plans remaining in the hands of the board, after action thereon, are public records.

4. *Title of plans.*—In the lower righthand corner of each separate drawing shall be placed a proper title containing name of individual, firm, institution, corporation, or municipality for whom it is made, the name of the locality to which it refers, a proper description of the nature of the drawing, the scale, date, and the name of the consulting or designing engineer. On each plan showing the locality, distribution system, or street layout the points of the compass shall be indicated.

5. *General layout of proposed systems or extensions.*—The general plan or map for a proposed waterworks system or the extension of an existing system shall show the location of all pipe lines and special structures, such as intake, pumping station, purification plant, reservoir, etc., with sizes or capacities clearly indicated. The size of pipe mains shall be written along the pipe; the location of hydrants, valves, and any special structures shall be shown and referenced in a legend near the title; and elevations of the principal parts of the system, such as water at intake, pumping station, purification plant, reservoir, etc., shall be given. If any part of the system, such as pumping station or purification plant, is subject to flooding, the elevation of the highest known flood water shall be given.

6. *Details of special units or structures.*—Complete detail plans of all special units and structures, such as intake, pumping station, reservoir, blow-offs, conduits, etc. (except those of standard cast-iron pipe) shall be submitted. Profiles of long conduits or pipe lines by which water is brought from a distance, either by gravity or by pumping, shall be shown. All emergency connections and valves by which water can be turned into the distribution system from any auxiliary or industrial supply shall be shown in detail and location of each indicated on the general plan.

7. *Details of purification plants.*—Plans for purification works shall include a general drawing, showing the layout of the various units, together with the piping system and reserve areas or future extensions indicated. The detail drawings shall include longitudinal and transverse sections sufficient to show the construction of each unit and part of the plant, special devices for feeding chemicals, for draining units and such other information as is required for an intelligent understanding of the plans. Detailed designs of filter equipment submitted by filter companies, and made a part of the plans, shall be submitted for approval before construction of the plant begins.

8. *Details of wells and connections.*—Plans shall be submitted showing the depths and sizes of wells, the kind and depth of casing used, together with all connecting pipe, valves, etc., and the layout of pumping stations, together with the arrangement and size of all suction pipe, force mains, and valves.

9. *Engineer's report.*—A comprehensive report written by the designing or consulting engineer shall be submitted with the plans, said report to be typewritten upon letter-size paper (8½ by 11 inches). The report shall contain the principal data upon which the designs were based and also information relative to the source of supply and methods of purification, in particular as follows:

(a) *Surface supply without purification.*—Nature and approximate area of watershed with special reference to any possible source of the contamination of the supply and methods recommended to prevent such contamination. Storage capacity and approximate dimensions of reservoir or lake, character of water, etc., shall also be discussed.

(b) *Surface supply with purification.*—General character of water with special reference to sewage pollution of stream within a distance of 5 miles above the intake. The purification plant shall be described with reference to the capacity of the plant as a whole and the capacity of each unit, rates of operation of each unit, chemicals to be used and methods of application, any peculiar local conditions taken into account in the design, any special methods necessary in the maintenance and operation of the plant, and what degree of purification is expected or guaranteed.

(c) *Ground water supply.*—Full description of well or spring, nature of geological formation of the region, possible sources of contamination, means provided to prevent such contamination, character of the water, etc. Any available information or records of tests relative to the capacity or flow of the well or spring shall be given.

10. *Specifications.*—One copy of the detailed specifications covering all work to be done shall be submitted with plans for a new waterworks system or plans for the extension of or changes in an existing system. Specifications merely describing the general character of the work will not be accepted as sufficient. Specifications shall be on letter-size paper (8½ by 11 inches), except when printed in book form.

11. *Deviations from plans.*—There shall be no deviations from plans submitted to and approved by the board unless amended plans showing proposed changes shall be forwarded and approved by said board. Copies of approved plans, specifications, engineer's report, and application must be approved by and filed with the board before the contract is let.

Barber Shops, Hairdressing Parlors, Public Bathhouses, and Manicurist and Chiropodist Establishments—Sanitary Regulation. (Reg. Bd. of H., May 5, 1916.)

Barber shops, hairdressers, etc.—The following regulations shall be enforced for barbers and barber shops, hairdressers, hairdressing parlors, and public bathhouses:

61. No person with any disease of the skin of the face shall be shaved in a public barber shop.

62. Barbers must wash their hands thoroughly with soap and water before attending any person.

63. No alum or other astringent shall be used in stick form. If used at all to stop the flow of blood, it must be applied in the form of powder.

64. The use of powder puffs is prohibited.

65. No towel shall be used for more than one person without being laundered or sterilized.

66. The use of sponges is prohibited.

67. Mugs and shaving brushes must be thoroughly washed after use on each person.

68. Combs, razors, clippers, and scissors shall be thoroughly cleansed after every separate use thereof.

69. Floors must be swept or mopped every day, and all furniture and woodwork kept free from dust.

70. Running water shall be provided wherever it is possible to be had.

71. All bathtubs shall be thoroughly cleansed with soap and water after each separate use.

72. All tools or instruments used by barbers outside the shop in serving any person suffering from infectious or contagious diseases are required to be thoroughly and efficiently disinfected with 15 per cent formaldehyde or by boiling immediately after using the same.